

What is Claimed is:

1. An optical pickup device comprising:

a light condensing means for condensing light emergent from a light source to an optical disk;

a light condensing holder on which the light condensing means is mounted;

a suspension holder for elastically supporting the light condensing holder;

a focus coil mounted on the light condensing holder;

a tracking coil mounted on the light condensing holder; and

a magnetic field impression means for impressing a magnetic field upon the focus coil and the tracking coil, wherein the tracking coil is composed of at least a first to a third tracking coil portion combined with each other.

2. An optical pickup device according to claim 1, wherein the light condensing means is an objective lens.

3. An optical pickup device according to claim 1, wherein the focus coil is composed of a first focus coil portion and a second focus coil portion which are joined to each other so that the winding axes of the first and

the second focus coil portion can be substantially parallel to each other.

4. An optical pickup device according to claim 3, wherein the first focus coil and the second focus coil are independently supplied with electric currents.

5. An optical pickup device according to claim 3, wherein the first focus coil and the second focus coil are connected in series to each other.

6. An optical pickup device according to claim 1, wherein the second and the third tracking portion are arranged on both sides of the first tracking coil so that the winding axes of the first to the third tracking coil can be substantially parallel to each other.

7. An optical pickup device according to claim 1, wherein the winding number of the first tracking portion is made to be larger than the winding numbers of the second and the third tracking coil portion.

8. An optical pickup device according to claim 1, wherein the first to the third tracking coil portion are connected in series to each other.

9. An optical pickup device according to claim 1, wherein a coil composition body is composed of the focus coil and the tracking coils joined to both side portions of the focus coil by means of adhesion, and the winding axis of the focus coil and the winding axes of the tracking coils are substantially perpendicular to each other.

10. An optical pickup device according to claim 9, wherein a gap is respectively formed among the first, the second and the third tracking coil portion.

11. An optical pickup device according to claim 9, wherein the side portions of the first, the second and the third tracking coil portion are contacted with each other so that no gaps are formed among them.

12. An optical pickup device according to claim 9, wherein a through-hole is formed in the light condensing holder and the coil composition body is fixed in the through-hole.

13. An optical pickup device according to claim 12, wherein a protruding portion is provided on one side of the through-hole, and an outer circumferential portion of

the focus coil comes into contact with the protruding portion.

14. An optical pickup device according to claim 1, wherein the magnetic field impression means is composed of a plurality of magnets, and one portion of the tracking coil and one portion of the focus coil are arranged between the magnets.

15. An optical pickup device comprising:

a movable portion having an objective lens, a lens holder for holding the objective lens and a driving means for driving the lens holder; and

a fixing portion having an elastic member for elastically supporting the movable portion, a suspension holder for supporting and fixing one end of the elastic member and a yoke for supporting the suspension holder and composing a portion of a magnetic circuit of the drive means, wherein

the yoke composes a first and a second vertical portion for forming the magnetic circuit, the first vertical portion disposes a first and a second magnet, the second vertical portion branches to two vertical yokes in which a third and a fourth magnet are respectively arranged, the first to the fourth magnet are arranged so that a magnetic flux connecting the first

magnet with the third magnet, which are opposed to each other, and a magnetic flux connecting the second magnet with the fourth magnet, which are opposed to each other, can be opposite to each other,

the driving means has a focus coil for conducting a focusing motion and a tracking coil for conducting a tracking motion,

the focus coil has a first and a second focus coil which are respectively wound round the two vertical yokes, and

the tracking coil has a first tracking coil wound round the first and the second magnet, a second tracking coil, the winding side of 1 of which is arranged in the first magnet, and a third tracking coil, the winding side of 1 of which is arranged in the second magnet.

16. An optical pickup device according to claim 15, wherein an adjoining face of the first tracking coil and the second tracking coil is arranged in the central portion of the first magnet, and an adjoining face of the first tracking coil and the third tracking coil is arranged in the central portion of the second magnet.

17. An optical pickup device according to claim 15, wherein the respective heights of the first, the second

and the third tracking coil in the focusing direction are made to be the same as the lengths of the first and the second magnet in the focusing direction.

18. An optical disk device in which the optical pickup device described in claim 15 is used.

19. An optical disk device according to claim 18, wherein tilt control is conducted by independently energizing the first and the second focus coil.

20. An optical disk device according to claim 18, wherein tilt is self-canceled when the first tracking coil and the second tracking coil are connected in series to each other and the first tracking coil and the third tracking coil are also connected in series to each other wherein the winding wires are respectively wound in the opposite direction to each other.

21. An optical pickup device comprising:

an objective lens for condensing light emergent from a light source to an optical disk;

a light condensing holder on which the light condensing means is mounted;

a suspension holder for elastically supporting the light condensing holder;

a focus coil mounted on the light condensing holder;

a tracking coil mounted on the light condensing holder; and

a magnet for impressing a magnetic field upon the focus coil and the tracking coil, wherein the tracking coil is composed of at least a first to a third tracking coil portion combined with each other.